1	I CLAIM:		
1	1. A method of representing how much a road curves comprising:		
2	selecting two points along the road; and		
3	comparing an approximation of a distance along the road between the two points		
4	to a straight-line distance between the two points;		
5	whereby a result of said comparing is an indication of how much the road curves		
6	between the two points.		
7			
8	2. The method of Claim 1 further comprising:		
9	using said indication of how much the road curves to adjust a speed of a vehicle.		
10			
11	3. The method of Claim 1 further comprising:		
12	storing said indication of how much the road curves in a geographic database.		
13			
14	4. The method of Claim 1 wherein said step of comparing is performed using		
15	shape point data that represent geographic coordinates at locations along the roads.		
16			
17	5. The method of Claim 1 wherein said step of comparing is performed by an		
18	application in a vehicle.		
19			
20	6. A method of representing road geometry comprising:		
21	at selected locations along a road, determining a bowing coefficient, wherein the		
22	bowing coefficient at each of said selected locations corresponds to a comparison		
23	between an approximation of a distance along the road between two points on the road o		
24	either side of the selected location and a straight-line distance between the two points;		
25	and		
26	using the bowing coefficient as an indication of curvature of said road between		
27	said two points.		

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29	7.	The method of Claim 6 further comprising:		
30	storing data indicating said bowing coefficient in a geographic database that			
31	represents said road.			
32				
33	8.	A method of operating a vehicle along roads comprising:		
34	with a software application in said vehicle, accessing a database containing data			
35	that represent said roads;			
36	determining a location of said vehicle with respect to the roads as represented by			
37	said database; and			
38	using data that indicate a bowing coefficient at each of a plurality of locations			
39	along said roads to adjust operation of said vehicle.			
40				
41	9.	The method of Claim 8 wherein a speed at which said vehicle is moving is		
42	reduced as said vehicle approaches a portion of said roads at which said bowing			
43	coefficient is relatively higher.			
44				
45	10.	The method of Claim 8 wherein a speed at which said vehicle is moving is		
46	increased as said vehicle approaches a portion of said roads at which said bowing			
47	coefficient is relatively lower.			
48				
49	11.	A method of forming a geographic database comprising:		
50	comparing an approximation of a distance along a road segment between two			
51	points to a straight-line distance between said two points; and			
52	storing in said geographic database a result of said comparing as an indication of			
53	curvature of said road segment between said two points.			
54				
55	12.	A geographic database formed according to the process of Claim 11.		
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57	13.	· · · · · · · · · · · · · · · · · · ·		
58	relating a position of said vehicle on a road to a data representation of the road			
50	contained in a geographic database.			

60	wherein the data representation of the road includes an indication of curvature at			
61	locations along the road, and			
62	wherein the indication of curvature includes a comparison between an arc length			
63	between points along the road and a chord length between the points; and			
64	adjusting operation of the vehicle based on the indication of curvature			
65	corresponding to said position of said vehicle.			
66				
67	14. A method of operating a vehicle along roads comprising:			
68	with a software application in said vehicle, computing a relationship between a			
69	distance between two points along a road and a straight-line distance between said two			
70	points;			
71	determining a location of said vehicle with respect to said road; and			
72	adjusting operation of said vehicle using said computed relationship.			
73				
74	15. The method of Claim 14 wherein said computing step is performed using			
75	data contained in a geographic database located in said vehicle.			
76				
77	16. A method of operation for an application in a vehicle comprising:			
78	accessing a geographic database that contains data that represent roads upon			
79				
80	determining a position of said vehicle with respect to said data that represent			
81				
82	the same and finisher at locations along said road to adju			
83	operation of said vehicle.			
84				